IL-27 Antibody / Alpha Subunit (RQ4175)

Catalog No.	Formulation	Size
RQ4175	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q8NEV9
Applications	Western Blot: 0.5-1ug/ml ELISA (Capture): 0.1-0.5ug/ml
Limitations	This IL-27 antibody is available for research use only.



Western blot testing of human CCRF-CEM cell lysate with IL-27 antibody at 0.5ug/ml. Predicted molecular weight ~28 kDa, observed here at ~20 kDa.

Description

Interleukin 27 (IL-27) is a member of the IL-12 cytokine family. The protein encoded by this gene is one of the subunits of a heterodimeric cytokine complex. This protein is related to interleukin 12A (IL12A). It interacts with Epstein-Barr virus induced gene 3 (EBI3), a protein similar to interleukin 12B (IL12B), and forms a complex that has been shown to drive rapid expansion of naive but not memory CD4(+) T cells. The complex is also found to synergize strongly with interleukin 12 to trigger interferon gamma (IFNG) production of naive CD4(+) T cells. The biological effects of this cytokine are mediated by the class I cytokine receptor (WSX1/TCRR).

Application Notes

Optimal dilution of the IL-27 antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids F29-P243 was used as the immunogen for the IL-27 antibody.

Storage

After reconstitution, the IL-27 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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